

What is claimed is:

1. A mobile communication system for providing a service of connecting a mobile terminal to a predetermined communication network, comprising:
 - a plurality of gateways, each including:
 - a data obtaining section for obtaining data stored in a predetermined
 - 5 information server connected to the communication network in response to a request from the mobile terminal;
 - a format converting section for converting the format of the obtained data according to restrictions on resources of the mobile terminal;
 - a load measuring section for measuring load imposed on
 - 10 predetermined processes including the data obtainment and the format conversion; and
 - a load data communicating section for communicating load data indicating information relating to the measured load, and
 - a mobile communication control apparatus including:
 - a load data obtaining device for obtaining the load data communicated
 - 15 from each gateway;
 - a load data storage device for storing the obtained load data; and
 - a gateway selecting device for selecting one of the gateways, which is connected to the mobile terminal, based on the obtained load data when the mobile communication control apparatus receives a request for obtaining the data stored in the
 - 20 information server from the mobile terminal.
2. A mobile communication system as claimed in claim 1, wherein:
 - the predetermined communication network is the Internet; and

the data obtaining section of each gateway obtains contents in a Web site on the Internet.

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3. A mobile communication system as claimed in claim 1, wherein the load measuring section of each gateway measures the number of sessions of the gateway which are being engaged.

4. A mobile communication system as claimed in claim 1, wherein the load measuring section of each gateway measures an activity rate of a processor for controlling all relevant processes including the data obtainment and the format conversion.

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5. A mobile communication system as claimed in claim 1, wherein:
the load data communicating section of each gateway communicates the load data to the mobile communication control apparatus when the load measured by the load measuring section exceeds a predetermined threshold; and

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the gateway selecting device of the mobile communication control apparatus selects one of the gateways which has not communicated the load data.

6. A mobile communication system as claimed in claim 1, wherein:

the load data communicating section of each gateway communicates a load value measured by the load measuring section to the mobile communication control apparatus; and

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the gateway selecting device of the mobile communication control apparatus refers to the measured load value of each gateway and selects one of the gateways which

has the smallest value.

7. A gateway selecting method of selecting one of gateways in a mobile communication system for providing a service of connecting a mobile terminal to a predetermined communication network, the method comprising:

the steps performed by each of the gateways, including:

5 a data obtaining step for obtaining data stored in a predetermined information server connected to the communication network in response to a request from the mobile terminal;

a format converting step for converting the format of the obtained data according to restrictions on resources of the mobile terminal;

10 a load measuring step for measuring load imposed on predetermined processes including the data obtainment and the format conversion; and

a load data communicating step for communicating load data indicating information relating to the measured load, and

15 the steps performed by a mobile communication control apparatus for selecting one of the gateways, wherein a session is engaged between the selected gateway and the mobile terminal, said steps including:

a load data obtaining step for obtaining the load data communicated from each gateway;

a load data storage step for storing the obtained load data; and

20 a gateway selecting step for selecting one of the gateways, which is connected to the mobile terminal, based on the obtained load data when a request for obtaining the data stored in the information server is sent from the mobile terminal to the mobile communication control apparatus.

8. A gateway selecting method as claimed in claim 7, wherein the load measuring step includes measuring the number of sessions of the gateway which are being engaged.

9. A gateway selecting method as claimed in claim 7, wherein the load measuring step includes measuring an activity rate of a processor for controlling all relevant processes including the data obtainment and the format conversion.

10. A gateway selecting method as claimed in claim 7, wherein:

the load data communicating step includes communicating the load data to the mobile communication control apparatus when the load measured by the load measuring section exceeds a predetermined threshold; and

5 the gateway selecting step includes selecting one of the gateways which has not communicated the load data.

11. A gateway selecting method as claimed in claim 7, wherein:

the load data communicating step includes communicating a load value measured by the load measuring section to the mobile communication control apparatus; and

5 the gateway selecting step includes referring to the measured load value of each gateway and selecting one of the gateways which has the smallest value.